

APR 22 2005

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**FROM:** Gregory P. Einhorn - Reg No. 38,440

**DATE:** April 22, 2005

Number of pages with cover page: 7	Original or hard copy to follow if this box is checked <input type="checkbox"/> .
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**Comments:**

Attorney Docket: 564462001620  
Group Art Unit: 1652  
Examiner: R. Hutson  
Serial No.: 09/656,309  
Filing Date: September 6, 2000  
Inventor(s): Walter CALLEN et al.  
Title: ENZYMES HAVING HIGH TEMPERATURE POLYMERASE  
ACTIVITY AND METHODS OF USE THEREOF

**Papers attached:**

1. Transmittal (1 page)
2. Amendment in response to Office Action dated March 24, 2005 (5 pages)

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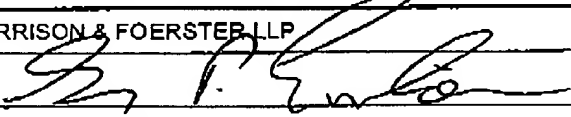
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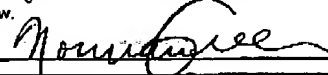
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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		Application Number	09/656,309
		Filing Date	September 6, 2000
		First Named Inventor	Walter CALLEN
		Art Unit	1652
		Examiner Name	R. Hutson
Total Number of Pages in This Submission	7	Attorney Docket Number	564462001620

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply (5 pages) <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax Cover Sheet (1 page)
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Date	April 22, 2005	Reg. No. 38,440

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Docket No.: 564462001620 /

027003 / D1350-2US

(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Walter CALLEN et al.

Application No.: 09/656,309

Confirmation No.: 9418

Filed: September 6, 2000

Art Unit: 1652

For: ENZYMES HAVING HIGH TEMPERATURE  
POLYMERASE ACTIVITY AND METHODS  
OF USE THEREOF

Examiner: Richard G. Hutson, Ph.D.

**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

Responsive to the Non-final Office Action mailed March 24, 2005, Applicants respectfully request entry of the amendments and consideration of the remarks set forth herein. The initial due date to respond is June 24 2005. Accordingly, this Response is timely filed. Reconsideration is respectfully requested.

**Amendments to the claims** are reflected in the listing of claims which begin on page 2 of this paper.

**Remarks** begin on page 4 of this paper.

The following documents are also enclosed herewith:

- Transmittal letter, facsimile cover sheet.

sd-256372